



HYUNDAI

Technical Service Bulletin

GROUP HVAC	NUMBER 23-HA-002H
DATE AUGUST 2023	MODEL(S) IONIQ 5 (NE1)

SUBJECT: HVAC SYSTEM DTC B169588/ B160C88/ B183088
INSPECTION AND REPAIR

Description: Certain IONIQ 5 (NE1) vehicles may experience an inoperative heater or air conditioning with one or more HVAC system related DTCs B169588, B160C88, and/or B183088. To correct this condition, follow the inspection diagnostics and repair procedure outlined in this bulletin.

Applicable Vehicles:

- 2022MY and later IONIQ 5 (NE1) vehicles

NOTICE

This TSB for IONIQ 5 can only be performed by IONIQ certified Hyundai dealerships.

Parts Information:

PART NAME	DESCRIPTION / PART NUMBER		NOTES
Heater Control Unit		22MY	23MY
		97255-GI110	97255-GI112
		97255-GI120	97255-GI122
		97255-GI130	97255-GI132
		97255-GI310	97255-GI312
PTC Heater		97191-GI001FFF	
HIGH VOLTAGE FUSE (30A)		18790-00722	

NOTE: A positive temperature coefficient heating element (PTC Heater) is part of this HVAC system that warms the discharged cabin air during heater operation.

SUBJECT:

HVAC SYSTEM DTC B169588/ B160C88/ B183088 INSPECTION AND REPAIR

Warranty Information:

OP CODE	OPERATION	OP TIME	CAUSAL PART	NATURE CODE	CAUSE CODE
97191F05	CASE 1) DTC INSPECTION AND HEATER CONTROL UNIT/ PTC HEATER REPLACEMENT	1.3 M/H	97191-GI001	I3A	ZZ5
97191F13	CASE 2) DTC INSPECTION, AND PTC HEATER AND HIGH VOLTAGE FUSE REPLACEMENT (2WD)	2.0 M/H			
97191F14	CASE 2) DTC INSPECTION, AND PTC HEATER AND HIGH VOLTAGE FUSE REPLACEMENT (4WD)	1.8 M/H			
97191F10	CASE 3) DTC INSPECTION, PTC HEATER REPLACEMENT AND DTC ADDITIONAL INSPECTION	1.2 M/H			
97191F11	CASE 4) DTC INSPECTION, PTC HEATER REPLACEMENT, DTC ADDITIONAL INSPECTION, AND HIGH VOLTAGE FUSE REPLACEMENT (4WD)	2.3 M/H			
97191F12	CASE 4) DTC INSPECTION, PTC HEATER REPLACEMENT, DTC ADDITIONAL INSPECTION, AND HIGH VOLTAGE FUSE REPLACEMENT (2WD)	2.1 M/H			

NOTE 1: Normal warranty applies.

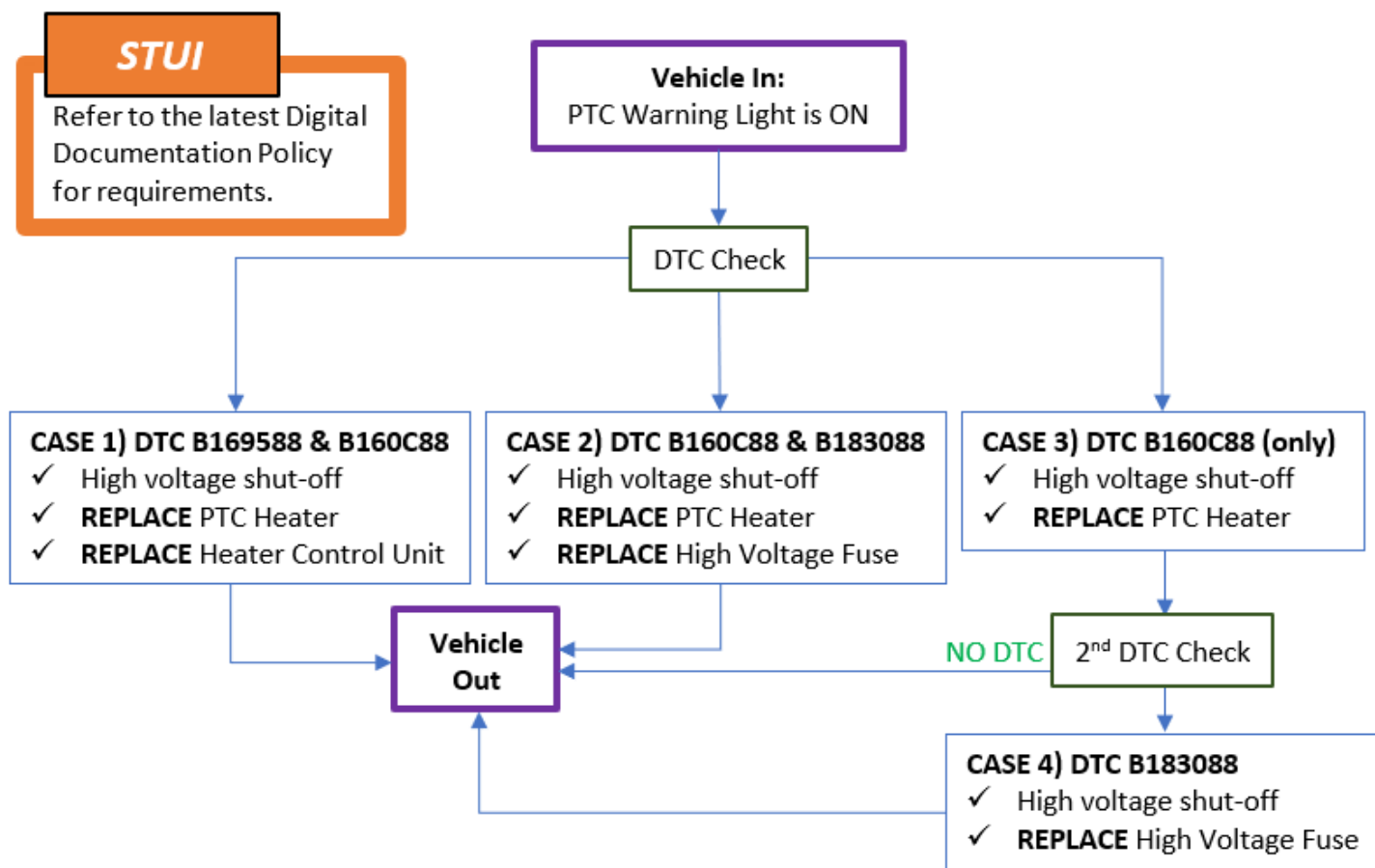
NOTE 2: Submit claim on Claim Entry Screen as “Warranty” type.

NOTE 3: Op times include VIN, Mileage, and Repair validation photos as outlined in the Digital Documentation Policy.

NOTE 4: The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. **Claim is subject to debit if the part is not returned.**

NOTE 5: If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

Service Procedure:



NOTE: Refer to the Shop Manual for each specific service procedure.

- **High voltage shut-off**
 - Heating, Ventilation And Air Conditioning > High Voltage Shut-off Procedures
- **Heater Control Unit Replacement**
 - Heating, Ventilation And Air Conditioning > Controller > Heater Control Unit > Replacement
- **PTC Heater Replacement**
 - Heating, Ventilation And Air Conditioning > Heater > PTC Heater > Replacement
- **High Voltage Fuse Replacement**
 - Heating, Ventilation And Air Conditioning > Heater > PTC Heater > Replacement

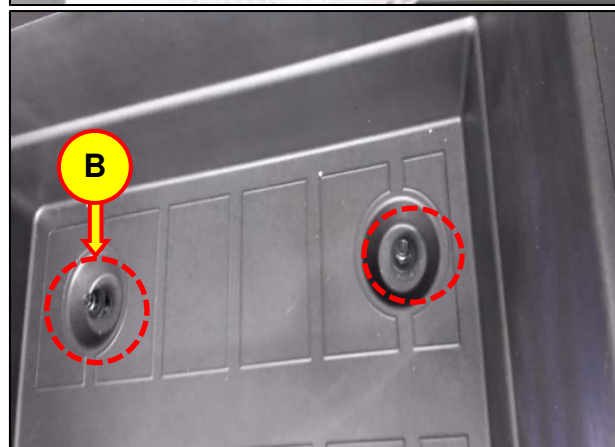
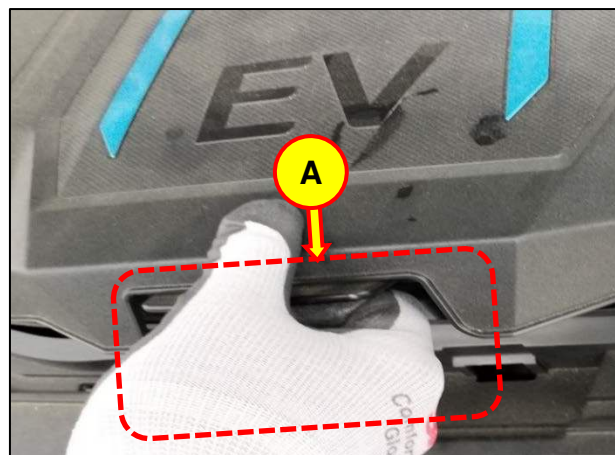
NOTE: For **2WD** vehicles, refer to the “**Additional Service Information**” in the following pages to access the **high voltage junction box**.

*** Additional Service Information ***

Engine Room Cover Removal (2WD Only):

NOTE: Does not apply to 4WD vehicles since the fasteners are only on the outside and visible.

1. Open the hood of the vehicle.
2. Hold the engine room cover lock handle (A) to open.
3. Remove the pads inside the engine room.

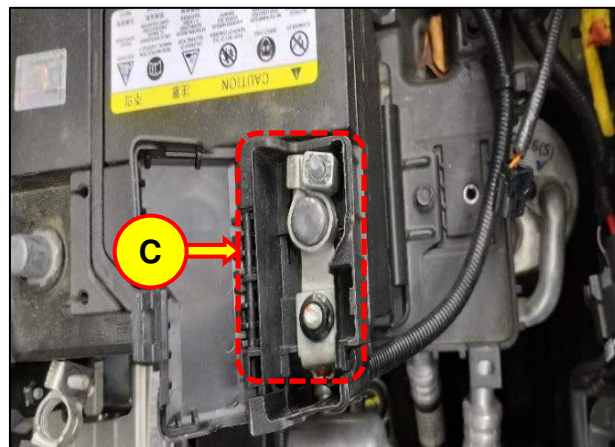


4. Loosen the bolts (B) inside the engine room.

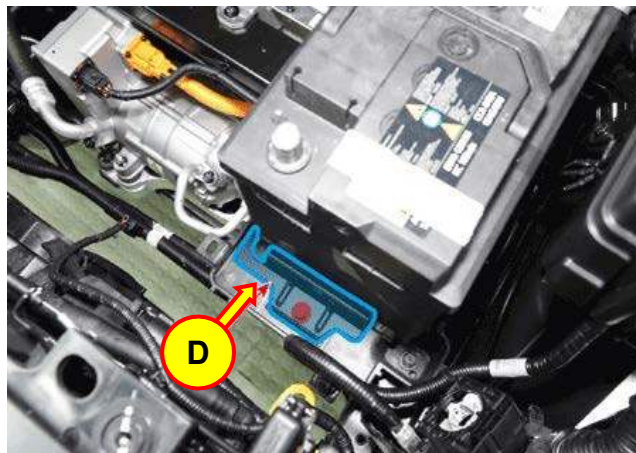
High Voltage Junction Box Access (2WD Only):

NOTE: The junction box to replace the High Voltage Fuse is located underneath the battery and battery tray.

1. Record radio presets. Then disconnect the battery (-) terminal and the battery (+) terminal (C).



2. Remove the battery fixing clamp (D) and then disconnect the battery.



3. Loosen the battery tray fixing bolts (E).

